

LOW LATENCY VIDEO DECODER WITH HIGH-QUALITY,  
VARIABLE SCALING AND MINIMAL FRAME BUFFER MEMORY

ABSTRACT OF THE DISCLOSURE

Loss of decoding time prior to the vertical  
synchronization signal when motion video is  
arbitrarily scaled and positioned by placing the  
frame switch point at the completion of frame  
5 decoding and synchronizing the bottom border of the  
scaled image therewith while maintaining low latency  
of decoded data. High latency operation is provided  
only when necessitated by minimal spill buffer  
capacity and in combination with fractional image  
10 size reduction in the decoding path in order to  
maintain image resolution without requiring  
additional memory.